

Flexible, water-soluble or water-dispersible coating agent, binder or film former for pharmaceutical formulations, comprises new or known vinyl ester-polyether graft copolymer,

Veröffentlichungsnummer DE19905906 (A1)

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Anmelder: BASF AG [DE]

Klassifikation:

- **Internationale:** A61K9/12; A61K9/20; A61K9/28; A61K9/30; A61K47/34; A61K9/12; A61K9/20; A61K9/28; A61K9/30; A61K47/34; (IPC1-7): C08L31/00; A61K9/30; C08L29/10; C08L59/00; C08L71/00

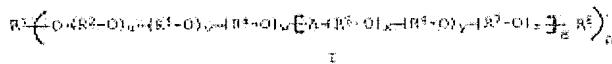
- **Europäische:** A61K9/12; A61K9/20H6D4; A61K9/28H6D; A61K47/34

Anmeldenummer: DE19991005906 19990211

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Zusammenfassung von DE 19905906 (A1)

The use of polymers (I), obtained by graft polymerization of vinyl esters of aliphatic carboxylic acids onto polyethers (II), as coating agent, binder and/or film-former in pharmaceutical dosage forms is new. Some (I) are new compounds. The use of polymers (I), obtained by polymerization of at least one vinyl ester of a 1-24C aliphatic carboxylic acid in presence of a polyether of formula (II), is claimed as coating agent, binder and/or film-forming auxiliary in pharmaceutical dosage forms. R1 = H, R9, R9C(O)-, R9NHC(O)- or a polyol residue; R8 = H, R9, R9C(O)- or R9NHC(O)-; R2-R7 = (CH₂)₂, (CH₂)₃, (CH₂)₄, CH₂CH(Me), CH₂CH(Et) or CH₂CH(OR₁₀)CH₂; R9 = 1-24C alkyl; R10 = H, R9 or R9C(O)-; A = C(O)O, C(O)-B-C(O)O or C(O)NH-B-C(O)O; B = (CH₂)_t or arylene (optionally substituted); n = 1-8; s = 0-500; t = 1-12; u, x = 1-5000; v, w, y, z = 0-5000.



Independent claims are included for: (a) pharmaceutical dosage forms containing (I); and (b) new polymers (I'), as defined for (I) above provided that: (i) R1 and R8 are other than R9NHC(O)-, A is other than C(O)NH-B-C(O)O and s is other than 0; (ii) R1 and R8 are other than R9NHC(O)-, R2-R4 are other than CH₂CH(OR₁₀)CH₂, A is other than C(O)NH-B-C(O)O, s = 0 and (I) also contain units derived from at least further monomer (III) selected from 3-8C monoethylenically unsaturated carboxylic acids (or their 1-24C alkyl or 1-24C hydroxyalkyl esters), 1-24C alkyl-vinyl ethers or N-vinyl-lactams; or (iii) (II) is a polyglycerol in which R2 = CH₂CH(OR₁₀)CH₂; s, v, w = 0; u = 1-2000; and R1 and R8 are other than R9NHC(O).